

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Victor Tan Cher 'Khng  
Lee Kian Chai

Filing Date: December 14, 2001

Serial No.:

Title: SEMICONDUCTOR PACKAGE HAVING SUBSTRATE  
WITH MULTI-LAYER METAL BUMPS

Docket No. 00-1117

EXAMINER:

ART UNIT:

*For  
2/2/02  
C. J. Allen  
11-1501*

Jc715 U.S. PTO  
10/023049  
12/20/01

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56  
December 14, 2001

BOX PATENT APPLICATION  
Commissioner of Patents  
Washington, DC 20231

Sir:

The citations listed on the accompanying Form PTO/SB/08, copies attached, may be material to the examination of the subject application and are therefore submitted in compliance with the duty of disclosure defined in 37 CFR §§1.56, 1.97 and 1.98.

This Information Disclosure Statement under 37 CFR §§1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art under 35 USC §102.

It is requested that the above citations be made of record, if appropriate, in the prosecution of this application.

Respectfully submitted:

*Stephen A. Gratton*

Stephen A. Gratton, Registration No. 28,418  
Attorney of Record

2764 South Braun Way  
Lakewood, CO 80228  
Telephone: 303 989 6353  
FAX: 303 989 6538

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail No. EK 742 525 459US

Date of Deposit: December 14, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Address" Service under 37 CFR 1.10 on the date indicated above and is addressed to the BOX PATENT APPLICATION, Commissioner of Patents, Washington, D.C. 20231.

December 14, 2001  
Date of Signature

*Stephen A. Gratton*  
Stephen A. Gratton, Attorney for Applicants

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Application Number

Filing Date

**December 14, 2001**

**First Named Inventor**

**VICTOR TAN CHER 'KHNG**

Group Art Unit

Examiner Name \_\_\_\_\_

Attorney Docket Number

00-1117

[illegible][illegible]

Date	
Considered	

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



+

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				<b>Application Number</b>	
				<b>Filing Date</b>	<b>December 14, 2001</b>
				<b>First Named Inventor</b>	<b>VICTOR TAN CHER 'KHNG</b>
				<b>Group Art Unit</b>	
				<b>Examiner Name</b>	
<b>Sheet</b>	<b>2</b>	<b>of</b>	<b>2</b>	<b>Attorney Docket Number</b>	<b>00-1117</b>

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**